

Bochmann, G.  
MASS CHANGES OF ANODIZED AND BARE ALUMI-  
NUM CAUSED BY MOISTURE PICKUP. [1961] 8p.  
(5 figs. omitted) 3 refs.  
Order from SLA \$1.10

61-20743

Trans. of Metalloberfläche (West Germany) 1961,  
v. 15, no. 5, p. 145-147.

DESCRIPTORS: \*Aluminum, \*Moisture, Humidity,  
Surface properties, Anodes (Electrolytic cell),  
Coatings, Thickness, Seals, Sheets, Aluminum alloys,  
Metallurgical analysis.

The relation between mass changes of anodized and  
bare 99.5% Al and Al 3% Mg and the relative humidity  
of the surrounding atmosphere were determined. The  
results were discussed with special consideration of  
the surface roughness and the thickness of the anodic.  
(Metallurgy--Light Metals, TT, v. 7, no. 8) (over)

61-20743

I. Bochmann, G.

Office of Technical Services

PLANS FOR TECHNICAL DEVELOPMENT OF RAILROAD  
TRANSPORTATION FOR 1963, BY VLADISLAV BARTA,  
BOHUMIL BOBENAK, ET AL, 8 PP.

CZECH, PER, ZELEZNICNI DOPRAVA A TECHNIKA, VOL X,  
NO 12, 1962, PP 353-354.

JPRS 17765

EUR-CZECH  
ECON.  
FEB 63

223,922

TT-63-20684

Bochner, D. A., Gambaryan, N. P., Stankevich, I. V.,  
and Chistyakov, A. L.

A QUALITATIVE DETERMINATION OF THE STABILITY OF HETEROCYCLIC SYSTEMS WITHIN THE FRAMEWORK OF THE HUCKEL APPROXIMATION. [1963] 9p 2refs

Order from GTS, SLA, or ETC \$1.10      TT-63-20684

Trans. of Zhur[an] Fiz[icheskoi] Khim[ii] (USSR) 1968, v. 32 [no. 12] p. 2797-2802. (Abstract available)

DESCRIPTORS: \*Heterocyclic compounds, \*Organoboranes, Chemical bonds, Stability, Atomic orbitals, Polynormals;

A purely qualitative method is proposed for deciding, within the framework of the Hückel approximation, the question of the presence of a "closed electron shell" in conjugated systems and, in this sense, the question of the relative stability of such systems. This method con- (Physics--Molecular, TT, v. 11, no. 3)      (over)

1. Title: Borepin
2. Title: Hückel approximation
3. Title: Molecular orbital theory
- I. Bochner, D. A.
- II. Gambaryan, N. P.
- III. Stankevich, I. V.
- IV. Chistyakov, A. L.

Office of Technical Services

(FDD 26468)

Selected Articles on the Physiology and Pathology of the Urinogenital System and Its Supportive Motor Apparatus, by G. B. Bochorishvili, ~~47~~ pp.

RUSSIAN, ~~in~~, Trudy Instituta Fiziologii I. P. Pavlova, Vol III, ~~1954~~/Leningrad, 1954, pp 506-530.

CIA/FDD U-8742

38,928

INDEX

Sci - Medicine, physiology, pathology

U.S. GPO/DEPT

153, 716

Cytological Study of Smears Obtained from the Blood  
Cavity as a Method of Diagnosis of Malignant Tumors  
of the Maxillary Sinus and the Ethmoidal Labyrinth, by  
Z. Sh. Mephorishvili, 6 pp.

USSRAN, per, Soobshcheniya Ak Nauk Gruzinskoy SSR.  
"Sovetskaya Meditsina", No 5, 1960, pp 619-621.

.SPRS 9218

153 - 716

153

Metallography, by Bochvar.

RUSSIAN, bk, 405 pp

Lawrence and Wishart Ltd.  
81 Chancery Lane  
London W.C.2.

Apr 59

61-23173

Bochvar, A. A. and Kuzina, V. V.  
THE INFLUENCE OF THE CHARACTER OF CRYSTALLIZATION AND THE PERIOD OF CRYSTALLIZATION ON THE MOBILITY OF MOLTEN METAL BETWEEN GROWING CRYSTALS. July 47 [6]p.  
BISI-313. [DSIR LLU] M.2816.  
Order from OTS or SLA \$1.10

61-23173

Trans. of [Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Investiya] 1946, no. 10, p. 1459-1462.

DESCRIPTORS: \*Liquid metals, \*Alloys, Crystallization, Crystals, Growth, Aluminum alloys, Copper alloys.

I. Bochvar, A. A.  
II. Kuzina, V. V.  
III. BISI-313  
IV. DSIR LLU M.2816  
V. British Iron and Steel Industry Translation Service

Office of Technical Services

(Metallurgy, TT, v. 6, no. 5)

10 611

UK-30

A. A. BOCHVAR

New methods of accurate representation of multi-component systems in a two-dimensional diagram

Izv. Akad. Nauk SSSR, No. 12, 851 (1944)

On loan: UK-30/ M. 1330 - English

E u r a t o m

(NY-3001/10)

Nonferrous Alloys in Germany, by <sup>A.P. BOCHVAR</sup>~~L. M. GAZARYAN~~,  
8 pp.

RUSSIAN, per, Tsvetnyye Metally, No <sup>3</sup> 1946,  
pp 45-48.

JPRS 5438

USSR

Econ - Technological - Nonferrous Metals

Sep 60

125,336

Effect of Temperature and Preceding Heat Treatment  
on Tensile Strength of an As-Cast and Wrought  
[Magnesium] Alloy, by A. A. Bockvar, et al.

RUSSIAN, per, Metal i Obrab Metallov, No 11, 1958,  
pp 38-37.

IB 4430

Sol. - Engt

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Feb 60

New Methods of Accurate Representation of Multi-  
component Systems in a Two-Dimensional Diagram,  
by A. A. Bochvar.

RUSSIAN, per, Iz Ak Nauk SSSR, No 12, 1944,  
pp 851-.

DSIR LLU M.1330  
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Sci - Phys

Oct 60

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Interaction Between Plutonium and Other Metals  
in Connection with Their Arrangement in Mendeleev's  
Periodic Table, by A. A. Bochvar, S. T. Konobeyev-  
skiy, V. I. Kutsitsev, T. S. Men'shikova, H. T.  
Chebotarev, 16 pp.

RUSSIAN, par, Atom Energ. Vol. V, No 3, 1958,  
pp 303-309.

CB

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Creep Resistance of Alloys as Function of Their  
Composition, by A. A. Bochvar.

RUSSIAN, no per, Iz Ak Nauk (SSSR, Otdel Tekh Nauk,  
No 1, Jun 1957, pp 136-138.

Henry Brucher  
Tr 3945  
\$4.75

Sci - Min/Metals  
Aug 57

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Formation of Porosity in Uranium under the  
Action of Thermal Cycling, by A.A. Bochvar,  
G.I. Tomson, 8 pp.

RUSSIAN, per, Atomnaya Energiya, Vol II,  
No 6, 1957, pp. 520-524.

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Sci - Nuc Phys

Jun 58

65,055

Investigation of the Metallography of Plutonium,  
Uranium, and Their Alloys, by A. A. Bochynr, S. T.  
Konobeyevskiy, A.S. Zaymovskiy, G. Ya. Sergeyev,  
V. I. Kutaytsev, N. P. Pravyuk, B. M. Levitskiy,  
20 pp.

RUSSIAN, per, Atom Energ, Vol IV, No 7, 1958, pp  
5-23.

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Sci - Nuc Phys

Jun 59

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Recrystallization of Uranium by the Action of  
Cyclic Heat-Treatment, by A.A. Bochvar, G.I.  
Tomson, M.T. Chebotarev, 6 pp.

RUSSIAN, par, Atom Energy, Vol IV, No 6, 1958,  
pp 555-556

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Sci - Nuclear Phys

May 59

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On the Nature of Slip Lines Visible Under the  
Microscope, by A. A. Bochvar, Yu. A. Preobrazhenskaya.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIII, No 3,  
1957, pp 564-566.

HEI 4410

Sci - Min/Met

Oct 60

Failure of Castings Caused by Shrinkage Stresses  
During Crystallization, as Related to Composition,  
by A. A. Buchvar, Z. A. Sviderakaya.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 3, 1947, pp 349-355.

HB 4806

Sci Min/Met

Oct 60

Dependence of the Heat Resistance of Aluminum  
Alloys Upon Their Composition and Structure, by  
A. A. Bochner, 31 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
1947, pp 1369-1384.

AEC Tr 3268

Sci - Min/Met

Sep 56

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Hot Cracking of Castings and Welds, by A. A.  
Eochvar, et al.

RUSSIAN, per, Lit Prois, Oct 1960, p 47.

HB 5029

ic1 - Engr

Apr 61

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On the Relation Between the Ratio of the Heat  
of Fusion and the Atomic Number of the Elements,  
by A. A. Bochvar, G. M. Kuznetsov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII,  
No 2, 1954, p 227.

Sci Nu Lib Tr 55/0800

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*Scientific - Nuclear Physics* (handwritten note)  
Scientific - Nuclear Physics Jun 55 CTS

New Methods of Precise Representation of the Composition  
of Multicomponent Systems on a Plane, by A. A. Bochvar.

~~RUSSIAN, FRENCH, Bulletin De L'Academie Des Sciences  
De L'Urss, Cl. des Sci. Techn., No 12, 1944,~~

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Scientific - Physics

\$3.90

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Failures of Castings Caused by Shrinkage Stresses  
During Crystallization, as Related to Composition.  
by A. A. Bochvar.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 3, 1947, pp 349-355.

Language Sv Bu

Sci - Chem

Nov 60

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Anomalous Structure in Slowly Cooled Compositions  
of the Eutectic Type, by A. A. Bochvar, I. V. Gorev.

*Handwritten:* ~~RUSSIAN~~ ~~Metallpromishlennosti~~, Vol XIII,  
No 1, 1933, pp 59-61.

Sci Mu Lib of London  
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Scientific - Min/Metals

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Distribution of Microhardness Values Within a Single  
Crystalline Grain of Metal, by A. A. Bochvar, O. S.  
Zhadaeva, 6 pp.

RUSSIAN, no per, Iz Ak Nauk, Otdel. Tekh Nauk, 1947,  
pp 419-424.

A.E.R.J. Tr 11/3/5/350

Scientific - Min/Metals

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Bochvar, A. A. and others.  
HOT CRACKING OF CASTINGS AND WELDS.  
Jan/Feb 61. 1400 words.  
Order from HB \$3.40  
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Trans. of Litnyoye Proizvodstvo (USSR) 1960,  
no. 10, p. 47.

61-12809

1. Metals--Casting
2. Metals--Welding
3. Welds--Fracture
4. Castings--Fracture

- I. Bochvar, A. A.
- II. HB-5029
- III. Brucher, Henry, Altadena,  
Calif.

Office of Technical Services

(Machinery--Manufacturing, TT, v. 5, no. 8)

Relative Evaluation of the Means of  
Creating Alloys With Given Properties  
(Example of Heat-Resistant Alloys), by  
Andrey A. Bochvar, 13 pp.

RUSSIAN, *Metallovedeniye*, 5th ed.,  
1956, pp 287-297.

OTB 60-16636

Sci.

*188,924*

30 Mar 62

Measure of the Delocalization of an Electron in an  
Molecular System, by D. A. Pochvar, N. I.  
Lambert, et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 3, 1960,  
pp 532-534.

Nov Phys - Doklady  
vol V, No 2

*132, 764*

Sci  
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Observations of V. N. Ufimtsev's Paper on the Bisulfite  
Compound of 1, 4-Naphthoquinone, D. A. Kochvar, A. S.  
Chernyshev, M. M. Shenyakin, <sup>211</sup>  
~~The Journal of General Chemistry of the USSR, Vol XI,~~  
~~No 11, Nov 1950, pp 2195 - 2197 (Russ p 211E).~~

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The Structure of Bisulfite Derivatives of the  
Arsenic Compounds, by E. M. Gordon, I. A. Lochwin,  
A. M. Sharypina, 6 pp.

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USSR, Jul 1951, pp 1257-1258 1255

Consultants Bureau Vol 2150P-1951

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Scientific - Chemistry

Oxidative and Oxidative-Hydrolytic Transformations of Organic Molecules. XX. The Structure of Oxides of Unsaturated Compounds, by M.M. Shemyakin, D.A. Eochvar, and L.A. Shchukins, 3 pp.

Full translation.

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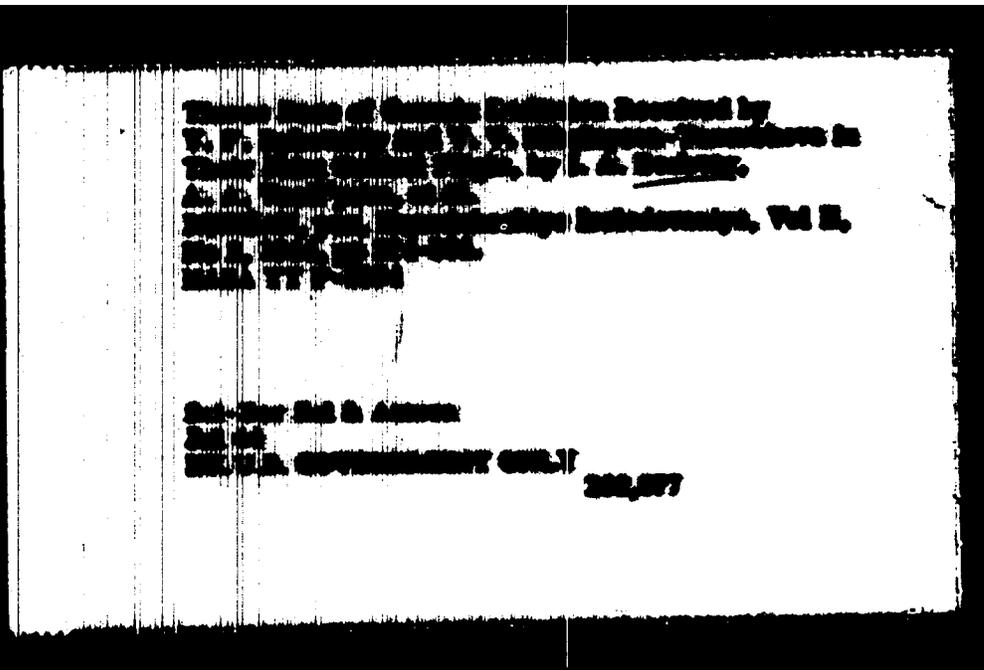
Dec 53 CTS

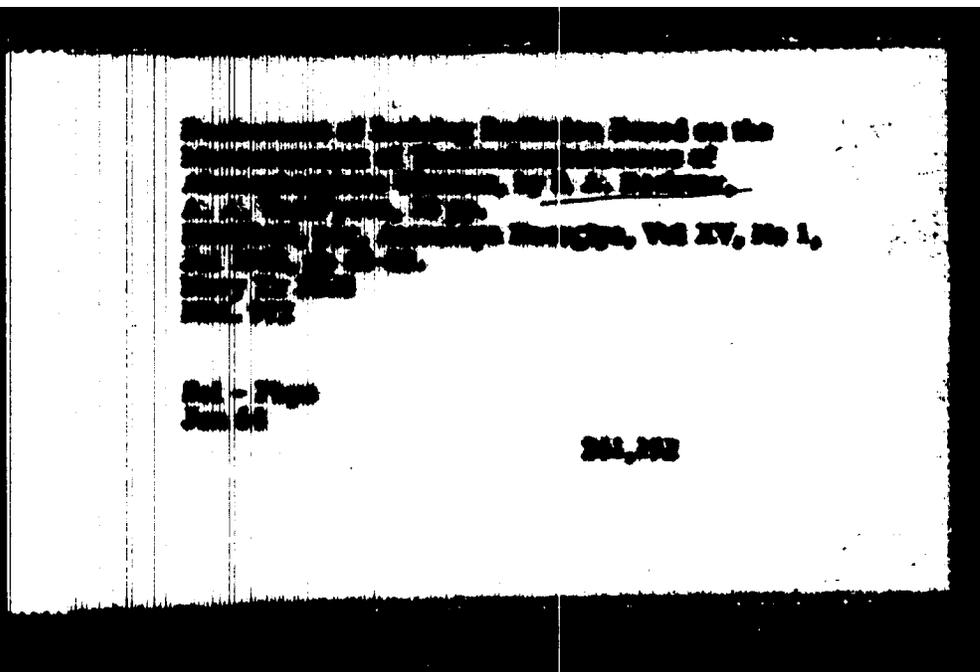
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Some Structural Peculiarities and Distinctive  
Properties of Cast Titanium Alloys, by  
G. A. Sochvar, Ye. P. Chistyakov. 9 pp.  
RUSSIAN, per, IV SSSR. Institut Metallurgii.  
Issledovaniye Splavov Tsvetnykh Metallov, no 4,  
1965, pp 249-256.  
AII/FED/AT-25-1487-67

*G. A. Sochvar*  
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(SF-600)

INITIAL SUPPLYING OF SUPPS IN PORT, ENROUTE AND  
AT SEA, BY JERRY BOGARD, 5 PP.

POLINA, PIR, PRZEDLAD MORSKI, VOL XV, NO 5,  
1962, PP 35-39.

JTB 14/62

CDR / POLAND  
WAL  
AUG 62

207,493

duction of Pressor Effects by Salidiuretics, by  
D. Bock, F. Gross, 15 pp.

ZMAN, per, Archiv fuer Experimentelle Pathologie und  
Pharmakologie, Vol CXXXVIII, 1960, pp 339-347.

NIH 7-31-60

si - Med

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Corticosteroid Therapy of Diabetic Arthritis  
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CLEMAN, per, Therapie der Gegenwart, Vol. 44  
No. 3, 1959, pp 312-314.

SLA 59-10331

311 - Med  
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Corticosteroid Therapy of Diabetics With Special  
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SLA 59-10831

Sci \* Medicine  
Oct 59  
Vol II, No 4

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Determination of Static Strength Properties  
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GERMAN, per, Holz als Roh- und Werkstoff,  
Vol IX, 1951, no 2, pp 62-71.

S.L.A. Tr 51

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EFur - Germany

Scientific - ~~Research~~ Engineering

The Effect of Silent Electric Discharges on a Mixture  
of Hydrogen and Titanium Tetrachloride Vapor, by F.  
Bock, L. Moser, 13 pp. *Part I.*

*ref.*  
GERMAN, *Ann. Physik Chem*, Vol XXXIII, No 10,  
1912, pp 1407-1429.

PP

AMS-75R123

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Observation Regarding the ~~Study~~ Training of  
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G. Bock. (AF 117716)

GERMAN, Technical University, Darmstadt, 1955.

ATIC F-TS-8661/III

USSR  
Scientific - Miscellaneous  
Sociological  
CIS 73/Oct 55

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R113  
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TT-63-22910

**Rock, H.**  
**NOMOGRAMS FOR DETERMINING OPERATING**  
**DATA FOR LIME KILNS. Jul 61.**  
Order from C. L. A. I. R. A. Laboratories, Church Street,  
Welwyn, Herts, England £5      CLAIRA T. 12

- I. Rock, H.
- II. CLAIRA-T-12
- III. Chalk Lime and Allied  
Industries Research  
Association (Cl. Brit.)

Trans. of Zement-Kalk-Gips (West Germany) 1960,  
v. 13, no. 7, p. 302-310.

DESCRIPTORS: \*Furnaces, Operation, Nomographs,  
\*Calcium compounds, Oxides, Cement kilns.

(Materials, TT, v. 11, no. 4)

Office of Technical Services

(HY-10)

A Simple Method of Preparing Anhydrous  
Hydrazine, XI, by H. Bock, G. Rudolph,  
3 pp.

GERMANY, *pt.*, Z fuer Anorganische und  
Allgemeine Chemie, Vol CCCXI, No 1/2.  
Aug 1961, pp 117-120.

JPRS 12624

Sci. - Chem

*181, 237*

Jan 62

**Colchicine Action and Granulocytopenia. Clinical and Experimental Observations Made With Substance F Obtained From Colchicum Autumnale, by H. E. Rock, R. Gross, 6 pp.**

**GERMAN, per, Klin Wochenschr, Vol XXXI, No 33/34, September 4, 1953, p 816.**

**MIR**

**Scientific - Medicine**

**OTS/DEK**

*17,905*

Therapy of Chronic Myeloid Leukemia, by H. E.  
Bock, R. Gross, 6 pp.

GERMAN, per, Aerztl Wochschr, Vol IX, 9 Apr 1954,  
pp 344-345.

SLA Tr 2005

Sci - Med  
Jul 57

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Leukemia and Tumor Therapy With a Secondary Alkaloid  
From Colchicum Autumnale (Demecolcine), by H. B. Bock,  
R. Gross, 29 pp. †

GERMAN, per, Acta Haematologica, 11 Sep 1954, pp 280-300.

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S.L.A. No 168/1956

Scientific - Medicine,

The development of the law relating to the  
Warfare, by Ingeborg Beck.

Studien, zur die Entwicklung des internationalen  
von 1900 bis 1960 Heft 10, 1963.

\*Dept of Navy, NIC

*Ingeborg Beck*  
Department  
Military  
Mar 69

<p>Bock, Johannes. <b>CARBON MONOXIDE: THE CIRCULATION.</b> [1963] [6p] 23refs Order from SLA \$1.10                      TT-63-20424</p> <p>Partial trans. (p. 51-55) of [Handbuch der Experimentellen Pharmakologie (Germany) 1923] v. 1, p. 1-72</p> <p><b>DESCRIPTORS:</b> Carbon compounds, Monoxides, *Carbon monoxide poisoning, *Cardiovascular system, Toxicity.</p> <p>(Biological Sciences--Toxicology, TT, v. 11, no. 4)</p>	<p>TT-63-20424</p> <p>I. Bock, J. II. Heffter, A. III. Hubner IV. Title: Circulation...</p> <p>Office of Technical Services</p>
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Reduction of Pressor Effects by Salidiuretics  
by K. D. Bock, F. Gross, 15 pp.

GERMAN, per, Meunyn-Schmiedeberg Archiv fuer  
Experimentelle Pathologie und Pharmakologie,  
Vol CCXXXVIII, No 3, 1960, pp 339-347.

SLA 60-16923

Sci  
Vol IV, No 8  
23 May 62

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Studies on the Effect of Synthetic Hypertensin II on  
Electrolyte Metabolism, Renal Function and Circulation in  
Man, by K. D. Bock, H. Dengler, et al, 20 pp.

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1958, pp 808-814.

SLA 59-10456

Sci - Med

Sep 1959

Vol 2, No 1

99,230

Recent Results of Medical Therapy of Arterial  
Hypertension, by K. D. Bock, O. H. Arnold,  
18 pp.

CHURMAN, per, Dtsch Med Wschr, Vol LXXVIII, 1953,  
pp 879-883.

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Scientific - Medicine  
Jan 56 GTS/dex

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Rudolf Bock, 15pp  
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Vol 25, 1953, No 5, pp 245-250  
CFFHH TT-62-10047

*Rudolf Bock*

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Sci - Engineering  
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Recent Results in Medicamentous Therapy of Arterial  
Hypertension, by O. H. Arnold, K. D. Fock, 7 pp.

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S. L. A.

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Scientific - Medicine

Dec 24 CIG/BLK

61-10751

Bock, K. D.  
COMPARATIVE STUDIES ON THE EFFECT OF  
NOREPINEPHRINE AND ANGIOTENSIN ON THE  
ELECTROCARDIOGRAM OF NON-ANESTHETIZED  
DOGS (Vergleichende Untersuchungen über die  
Wirkung von Noradrenalin und Angiotensin auf des  
Elektrocardiogramm des Wachen Hundes). [1961]  
17p. 20 refs.

Order from SLA mi\$2.40, ph\$3.30      61-10751

Trans. of Zeitschrift für Kreislaufforschung  
(West Germany) 1960, v. 49 [no. 19/20] p. 890-904.

1. Norepinephrine--  
Physiological effects
  2. Vasomotor drugs--  
Physiological effects
1. Bock, K. D.

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(Biological Sciences--Pharmacology, TT, v. 5, no. 9)

Y Q Fever in South Baden] (A Contribution to the  
Diagnosis, Clinical Medicine and Epidemiology  
of the Rickettsia Burneti Disease), by Helmut  
Schuboth, Marianne Bock, Ernst Wiesmann, 43 pp.

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HLH

Scientific - Medicine

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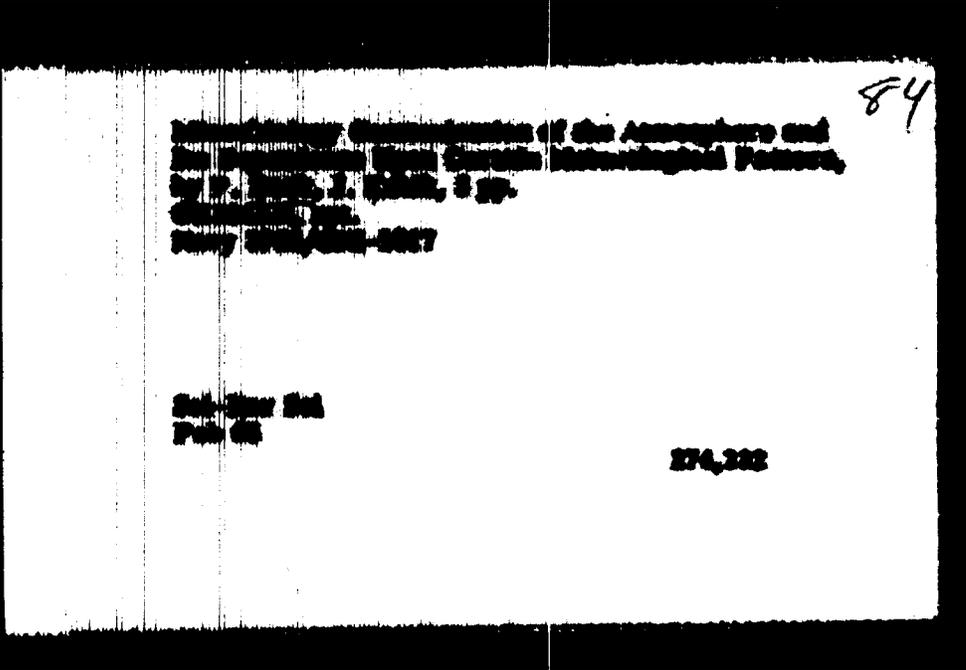
5534

Innervation of the Dentin, by C. Bock.  
DENTIN, per, Czech Laboratory, Vol 15, No 11,  
1960, pp 891-895.  
HEM-DIN  
11-23-67

*C. Bock*

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Jan 68

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The Electrolytic Separation of Elements at  
Mercury Cathodes, by R. Bock, K. G. Hackstein.  
UNCL

GERMAN, per, Z Anal Chem, No 5, <sup>953</sup>~~1977~~ pp 339-357.

British Iron and Steel Ind  
(no number given)

Sci - Chem  
Sep 59

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The Reduction - Oxidation Potentials of Inorganic Systems, 1. Formal Potentials in Aqueous Ferric - Ferrous Solutions, by R. Bock, M. Herrmann, 15 pp.

GERMAN, per, ~~Zeit für anorganische und allgemeine Chemie~~, Vol. CCLXXIII, No's 1, 2, Jul 1953, pp 1-20.

Z-186

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CIA/FDD/~~2288~~

Scientific - Chemistry

Dec 55 CTS/DEX

(NY-6502)

OBSERVATIONS OF CENTRAL NERVOUS SYSTEM  
STRUCTURES WITH REGARD TO MEMORY FUNCTIONS,  
BY S. T. BOCK, 13 PP. GOVERNMENT USE ONLY

GERMAN, PE, GRUNDLAGENSTUDIEN AUS DER KYBERNETIK  
UND GEISTESWISSENSCHAFT, VOL 11, NO 4, 1961,  
PP 97-110.

JPRS 14150

SCI - MED

JUN 62

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East German Actions to Evade Allied Travel Office  
Requirements, by Dr Siegfried Bock, 3 pp. SECRET

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berg, 5 Apr 1960.

Dept of State  
4433501.

RE - Germany  
Pal  
May 60

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Tests on Wave Resistance of Immersed Bodies of Revolution, by W. Bock. UNCLASSIFIED

GERMAN, Reports of the Prussian Test Station for Hydraulics and Ship Design, Berlin, 1935.

Navy Tr 978/TMB T/234

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Jan 1951 CT8

Determination of the Calcium Content in Urine  
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HUNGARIAN, per, Acta Chimica, Vol XVIII,  
No 1-4, pp 85-91, 1959

C.S.I.R.O. 4539

Sci - Chem

May 60

115918

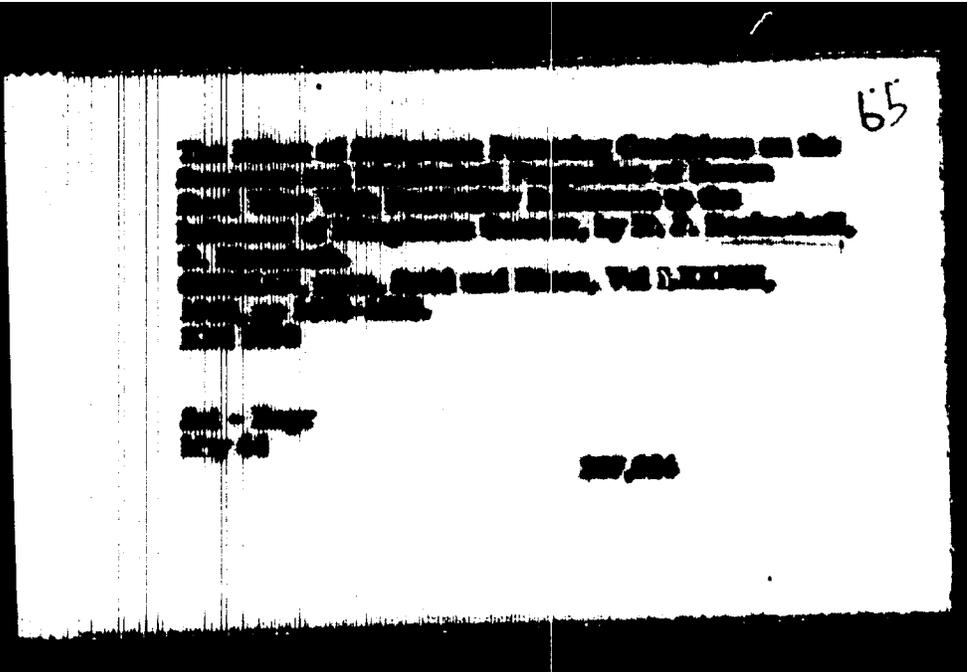
BaSkadler, Alfons  
1157 PULLEY BLDG. 5102 S. 11TH ST. LAUREL, MD  
ELECTRONIC EQUIPMENT DIVISION  
59 26th  
Order Form 11A 11.00

Trans. of Zeitschrift für Analytische Chemie  
(Germany) 1953, v. 91, p. 81-90.

DESCRIPTION: Chemical analysis, Fluorine,  
Organic compounds, Alkali metals, Hydrolysis,  
Decomposition, Oxidation, Determination.

(Chemistry--Analytical, IT, v. 10, no. 1)

Office of Technical Services



62-16933

Böcker, A.  
GREASE LUBRICATION: CHARACTERISTICS AND  
APPLICATIONS OF LUBRICATING GREASES. [1962]  
6p. (refs. omitted).  
Order from SLA \$1.10

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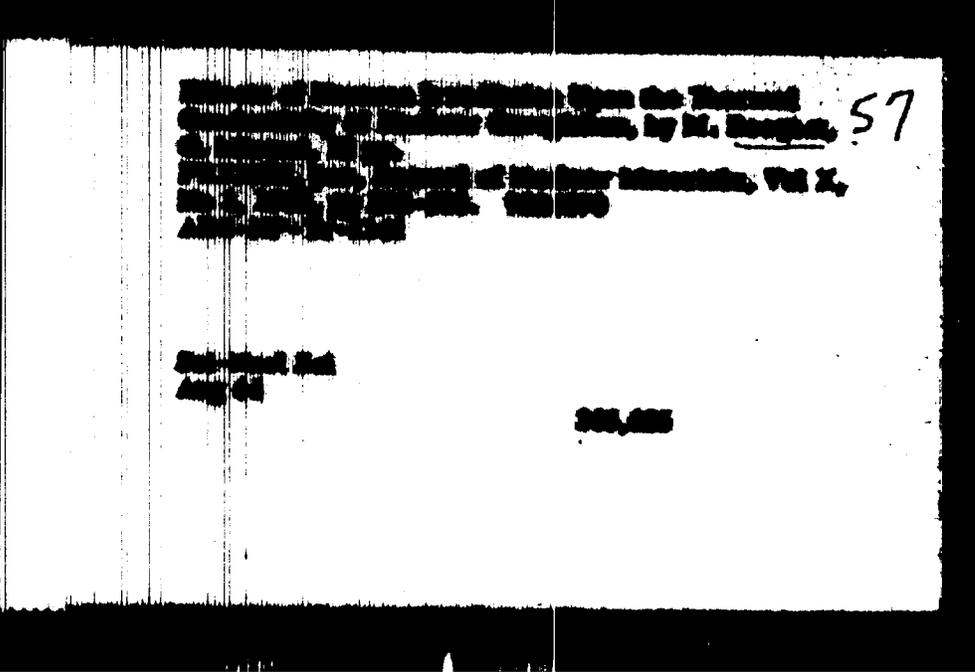
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